

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Not for submission under 37 CFR 1.99)

Application Number		10538318
Filing Date		2005-06-13
First Named Inventor	Anna Ingrid Kristina Berggren	
Art Unit	1625	
Examiner Name	Morris, Patricia L.	
Attorney Docket Number	133087.10101(100940-1PUS)	

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	1	6884438		2005-04-26	Quintanar et al.	
	2	6074986		2000-06-13	Mulqueen et al.	
	3	4348385		1982-09-07	Synek	
	4	4610668		1986-09-09	Fountain et al.	
	5	4826689		1989-05-02	Violanto et al.	
	6	4997454		1991-03-05	Violanto et al.	
	7	5118528		1992-06-02	Fessi et al.	
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9	5145684		1992-09-08	Liversidge et al.	
10	5468604		1995-11-21	Zengerle et al.	
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13	5858410		1999-01-12	Muller et al.	
14	5843465		1998-12-01	Lundquist	
15	5932245		1999-08-03	Wunderlich et al.	
16	6048550		2000-04-11	Chan et al.	
17	5314506		1994-05-24	Midler, Jr. et al.	
18	5624941		1997-04-29	Barth et al.	
19	6383471		2002-05-07	Chen et al.	

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20	6432984		2002-08-13	Barth et al.	
21	6645985		2003-11-11	Barth et al.	
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	4	20050202092		2005-09-15	Skantze et al.	
	5	20020189007		2002-12-12	Barth et al.	

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6	20030059472		2003-03-27	Brynjelsen et al.	
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	1	9635414	WO		1996-11-14	CIBA-Geigy AG		<input type="checkbox"/>
	2	9711686	WO		1997-04-03	Nanosystems LLC		<input type="checkbox"/>

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3	9807414	WO		1998-02-26	Research Triangle Pharmaceuticals Ltd.		<input type="checkbox"/>
4	9704756	WO		1997-02-13	Nanosystems LLC		<input type="checkbox"/>
5	9624340	WO		1996-08-15	Nanosystems LLC		<input type="checkbox"/>
6	0033820	WO		2000-06-15	BASF Aktiengesellschaft		<input type="checkbox"/>
7	9713503	WO		1997-04-17	The Penn State Research Foundation		<input type="checkbox"/>
8	9218105	WO		1992-10-29	Sandoz Ltd.		<input type="checkbox"/>
9	0071079	WO		2000-11-30	American Bioscience, Inc.		<input type="checkbox"/>
10	9900113	WO		1999-01-07	Vivorx Pharmaceuticals, Inc.		<input type="checkbox"/>
11	03188438	JP		1991-08-16	Fuji Photo Film Co Ltd.		<input type="checkbox"/>
12	589838	EP		1994-03-30	CIBA-Geigy AG		<input type="checkbox"/>
13	9904766	WO		1999-02-04	Universite Claude Bernard Lyon I		<input type="checkbox"/>

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14	9632095	WO		1996-10-17	Astra Aktiebolag		<input type="checkbox"/>
15	9814174	WO		1998-04-09	Vivorx Pharmaceuticals, Inc.		<input type="checkbox"/>
16	9823350	WO		1998-06-04	Zeneca Limited		<input type="checkbox"/>
17	9959709	WO		1999-11-25	Zeneca Limited		<input type="checkbox"/>
18	0038811	WO		2000-07-06	Glaxo Group Limited		<input type="checkbox"/>
19	0044468	WO		2000-08-03	Bristol-Myers Squibb Company		<input type="checkbox"/>
20	0170700	WO		2001-09-27	Solvay Pharmaceuticals B.V.		<input type="checkbox"/>
21	0192293	WO		2001-12-06	Universiteit Leiden		<input type="checkbox"/>
22	0200199	WO		2002-01-03	Glaxo Group Limited		<input type="checkbox"/>
23	03035035	WO		2003-05-01	Glaxo Group Limited		<input type="checkbox"/>
24	0351850	WO		2003-06-26	AstraZeneca AB		<input type="checkbox"/>

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25	0351851	WO		2003-06-26	AstraZeneca AB		<input type="checkbox"/>
26	275607	EP		1988-07-27	Nobel Kemi AB		<input type="checkbox"/>
27	2276567	GB		1994-05-10	United Kingdom Atomic Energy Authority		<input type="checkbox"/>
28	02055059	WO		2002-07-18	Baxter International Inc.		<input type="checkbox"/>
29	0656354	EP		1995-06-07	Sanofi		<input type="checkbox"/>
30	9202513	WO		1992-02-20	Fujisawa Pharmaceutical Co., Ltd.		<input type="checkbox"/>
31	8904308	WO		1989-05-18	Terumo Kabushiki Kaisha		<input type="checkbox"/>
32	0313472	WO		2003-02-20	AstraZeneca AB		<input type="checkbox"/>
33	0377457	EP		1990-07-11	Fujisawa Pharmaceutical Co., Ltd.		<input type="checkbox"/>
34	1205478	EP		2002-05-15	Takeda Chemical Industries, Ltd.		<input type="checkbox"/>
35	0046209	WO		2000-08-10	Sanofi-Synthelabo		<input type="checkbox"/>

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36	03078413	WO		2003-09-25	Solvay Pharmaceuticals B.V.		<input type="checkbox"/>
37	2736230	DE		1978-02-16	Nippon Soda Col., Ltd.		<input type="checkbox"/>
38	458361	CH		1968-08-30	Eprova Ltd.		<input type="checkbox"/>
39	0397859	EP		1990-11-22	Terumo Kabushiki Kaisha		<input type="checkbox"/>
40	9832441	WO		1998-07-30	Sanofi		<input type="checkbox"/>
41	03027069	WO		2003-04-03	Bayer Pharmaceuticals Corporation		<input type="checkbox"/>
42	0147880	WO		2001-07-05	ICOS Corporation		<input type="checkbox"/>
43	0158869	WO		2001-08-16	Bristol-Myers Squibb Company		<input type="checkbox"/>
44	2004058255	WO		2004-07-15	AstraZeneca AB		<input type="checkbox"/>
45	2004058249	WO		2004-07-15	AstraZeneca AB		<input type="checkbox"/>
46	03013472	WO		2003-02-20	AstraZeneca AB		<input type="checkbox"/>

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	1	Final Rejection dated March 26, 2008 cited in Copending Application No. 10/486,211.	<input type="checkbox"/>
	2	Non-final Office Action dated July 26, 2007 cited in Copending Application No. 10/486,211.	<input type="checkbox"/>
	3	Scaletto et al., "[A substance with antibacterial and antifungal activity. V. Synthesis and microbiological activity of new derivatives of 1,5-diarylpyrrole]," Farmaco, Societa Chimica Italiana (1988) 43(9):677-691.	<input type="checkbox"/>
	4	Ostwald, "[Über die vermeintliche Isomerie des roten und gelben Quecksilberoxyds und die Oberflächenspannung gesäter Körper,]" Phys. Chem (1900) 34:495-503.	<input type="checkbox"/>
	5	Higuchi et al., "Physical degradation of emulsions via the molecular diffusion route and the possible prevention thereof," J Pharm Sci (1962) 51:459-466.	<input type="checkbox"/>
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10	Steffens et al., "O/W Emulsions as Vehicles for Micronized Drug Particles," Eur J Pharm, Biopharm (1991) 37 (4):219-226.	<input type="checkbox"/>
11	Ruch et al., "Preparation of Micrometer Size Budesonide Particles by Precipitation," Journal of Colloid and Interface Science (2000) 229(1):207-211.	<input type="checkbox"/>
12	Malcolmson et al., "Effect of oil on the level of solubilization of testosterone propionate into nonionic oil-in-water microemulsions," J Pharm Sci (1998) 87(1):109-116.	<input type="checkbox"/>
13	Sjostrom et al., "The formation of submicron organic particles by precipitation in an emulsion," J Dispersion Science and Tech. (1994) 15(1):89-117.	<input type="checkbox"/>
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15	Kasai et al., "Crystal growth of perylene microcrystals in the reprecipitation method," Bull Chem Soc Jpn (1998) 71:2597-2601.	<input type="checkbox"/>
16	Kasai et al., "A novel preparation method of organic microcrystals," Jpn J Appl Phys (1992) 31:L1132-1134.	<input type="checkbox"/>
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18	Goddard, "Polymer-surfactant interaction Part I. Uncharged water-soluble polymers and charged surfactants," Colloids and Surfaces (1986) 19:255-300.	<input type="checkbox"/>
19	Notice of Allowance dated June 9, 2008 received in copending application no. 10/560,862 (133087.09301)	<input type="checkbox"/>
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21	Saikachi et al., "Synthesis of 2,3-bis (5-nitro-2-furyl) Pyrazine Derivatives," Yakugaku Zasshi (1966) 86(10):927-932 ENGLISH TRANSLATION	<input type="checkbox"/>
22	Di Marzo et al., "Leptin-regulated endocannabinoids are involved in maintaining food intake," Nature (2001) 410:822-825.	<input type="checkbox"/>
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26	Martin "Frozen Transition States: Pentavalent Carbon et al," Science (1983) 221(4610):509-514.	<input type="checkbox"/>
27	Notice of allowance dated April 30, 2008 received in copending application no. 10/561,033 (133087.09601).	<input type="checkbox"/>
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29	Office Action dated May 4, 2007 received in copending application no. 10/543,264 (133087 10201).	<input type="checkbox"/>
30	Notice of Allowance dated February 8, 2008 received in copending application no. 10/543,264 (133087 10201).	<input type="checkbox"/>
31	Boon et al., "Pteridines. Part V. Derivatives of 1:4-Dihydro-1-and 3:4-Dihydro-3-methyl-6:7-diphenylpteridine," J of Chemical Society (1957) 2159-2161.	<input type="checkbox"/>

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32	Taylor et al., "Pteridines. X New Approach to the Synthesis of Pteridines," Journal of American Chemical Society (1953) 75:1904-1908.	<input type="checkbox"/>
33	Vippagunta et al., "Crystalline solids," Advanced Drug Delivery Reviews (2001) 48:3-26.	<input type="checkbox"/>
34	Office Action dated April 30, 2008 received in copending application no. 10/540,276 (133087.10001).	<input type="checkbox"/>
35	Office Action dated November 15, 2007 received in copending application no. 10/540,276 (133087.10001).	<input type="checkbox"/>
36	Office Action dated March 26, 2007 received in copending application no. 10/540,276 (133087.10001).	<input type="checkbox"/>
37	Office Action dated August 10, 2006 received in copending application no. 10/540,276 (133087.10001).	<input type="checkbox"/>
38	Al-Dabbagh et al., "Species differences in oxidative drug metabolism: some basic considerations," Archives of toxicology, Supplement Archiv fur Toxikologie. (1984) supplement 7:219-231.	<input type="checkbox"/>
39	Bundgaard, Design of Prodrugs, page 1 (1985) Elsevier Science Publishers.	<input type="checkbox"/>
40	Pertwee "Pharmacology of cannabinoid receptor ligands," Current Medicinal Chemistry (1999) 6(8):635-664.	<input type="checkbox"/>
41	Silverman, The Organic Chemistry of Drug Design and Drug Action (1992) Academic Press, Inc. pp. 356-400.	<input type="checkbox"/>
42	Brittain "X-Ray Powder Diffraction of Pharmaceutical Materials," American Pharmaceutical Review (2002) 5(1):74-80.	<input type="checkbox"/>

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43	Gavezzotti "Are Chrystal Structures Predictable?" Acc Chem Res (1994) 27:309-314.	<input type="checkbox"/>
44	Howlett et al., "Azido- and isothiocyanato-substituted aryl pyrazoles bind covalently to the CB1 cannabinoid receptor and impair signal transduction," Journal of Neurochemistry (2000) 74(5):2174-2181.	<input type="checkbox"/>
45	Notice of copending applications.	<input type="checkbox"/>
46	Scalzo et al., "[A substance with antibacterial and antifungal activity. IV. Synthesis and microbiological activity of new 1,5-diarylpyrrole derivatives]," Farmaco, Societa Chimica Italiana, Pavia, IT (1989) 44(1):665-676.	<input type="checkbox"/>
47	Porretta et al., "[Substances with antibacterial and antifungal activity. VII. Synthesis and microbiologic activity of new derivatives of 1,5-diarylpyrrole]," Farmaco. (1989) 44(1):65-76.	<input type="checkbox"/>
48	Petruso et al., "Oxidative Halogenation of Substituted Pyrroles with Cu(II). Part II. Bromination of Some Ethyl 3-Pyrrolicarboxylates and Corresponding Acids," Journal of Heterocyclic Chemistry, Heterocorporation (1990) 27 (5):1277-1280.	<input type="checkbox"/>
49	Isomers [online], retrieved from the internet, URL; http://chemed.chem.purdue.edu/genchem/topicreview/bp/1organic/isomers.html .	<input type="checkbox"/>
50	Prodrug [online], retrieved from the internet, URL; http://en.wikipedia.org/wiki/prodrug .	<input type="checkbox"/>

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